

**Product Name: UHRF1 (1H9) Mouse Monoclonal Antibody****Catalog #: AMM03412**

For research use only.

**Summary**

|                      |  |
|----------------------|--|
| <b>Description</b>   | Mouse monoclonal Antibody  |
| <b>Host</b>          | Mouse  |
| <b>Application</b>   | WB   |
| <b>Reactivity</b>    | Human,Mouse  |
| <b>Conjugation</b>   | Unconjugated   |
| <b>Modification</b>  | Unmodified   |
| <b>Isotype</b>       | IgG2b  |
| <b>Clonality</b>     | Monoclonal   |
| <b>Form</b>          | Liquid   |
| <b>Concentration</b> | 1mg/ml   |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                    |
| <b>Shipping</b>      | Ice bags   |
| <b>Buffer</b>        | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3. |
| <b>Purification</b>  | Affinity Purification  |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:500-1:1000                            |
| <b>Molecular Weight</b> | Calculated MW: 90 kDa; Observed MW: 90 kDa |

**Antigen Information**

|                          |                                    |
|--------------------------|------------------------------------|
| <b>Gene Name</b>         | UHRF1                              |
| <b>Alternative Names</b> | Np95; hNP95; ICBP90; RNF106        |
| <b>Gene ID</b>           | 29128                              |
| <b>SwissProt ID</b>      | Q96T88                             |
| <b>Immunogen</b>         | Recombinant protein of human UHRF1 |

**Background**

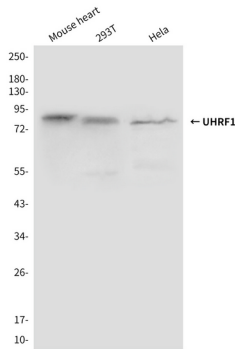
This gene encodes a member of a subfamily of RING-finger type E3 ubiquitin ligases. The protein binds to specific DNA sequences, and recruits a histone deacetylase to regulate gene expression. Its expression peaks at late G1 phase and continues

during G2 and M phases of the cell cycle. It plays a major role in the G1/S transition by regulating topoisomerase IIalpha and retinoblastoma gene expression, and functions in the p53-dependent DNA damage checkpoint. It is regarded as a hub protein for the integration of epigenetic information. This gene is up-regulated in various cancers, and it is therefore considered to be a therapeutic target. Multiple transcript variants encoding different isoforms have been found for this gene. A related pseudogene exists on chromosome 12.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of UHRF1 in mouse heart, 293T, HeLaNE and HeLa lysates using UHRF1 antibody.